

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122717\
 Data File : BG031796.D
 Acq On : 27 Dec 2017 14:51
 Operator : SJ/JU
 Sample : I7019-01RE
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 28 07:16:49 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 22 11:08:55 2017
 Response via : Initial Calibration

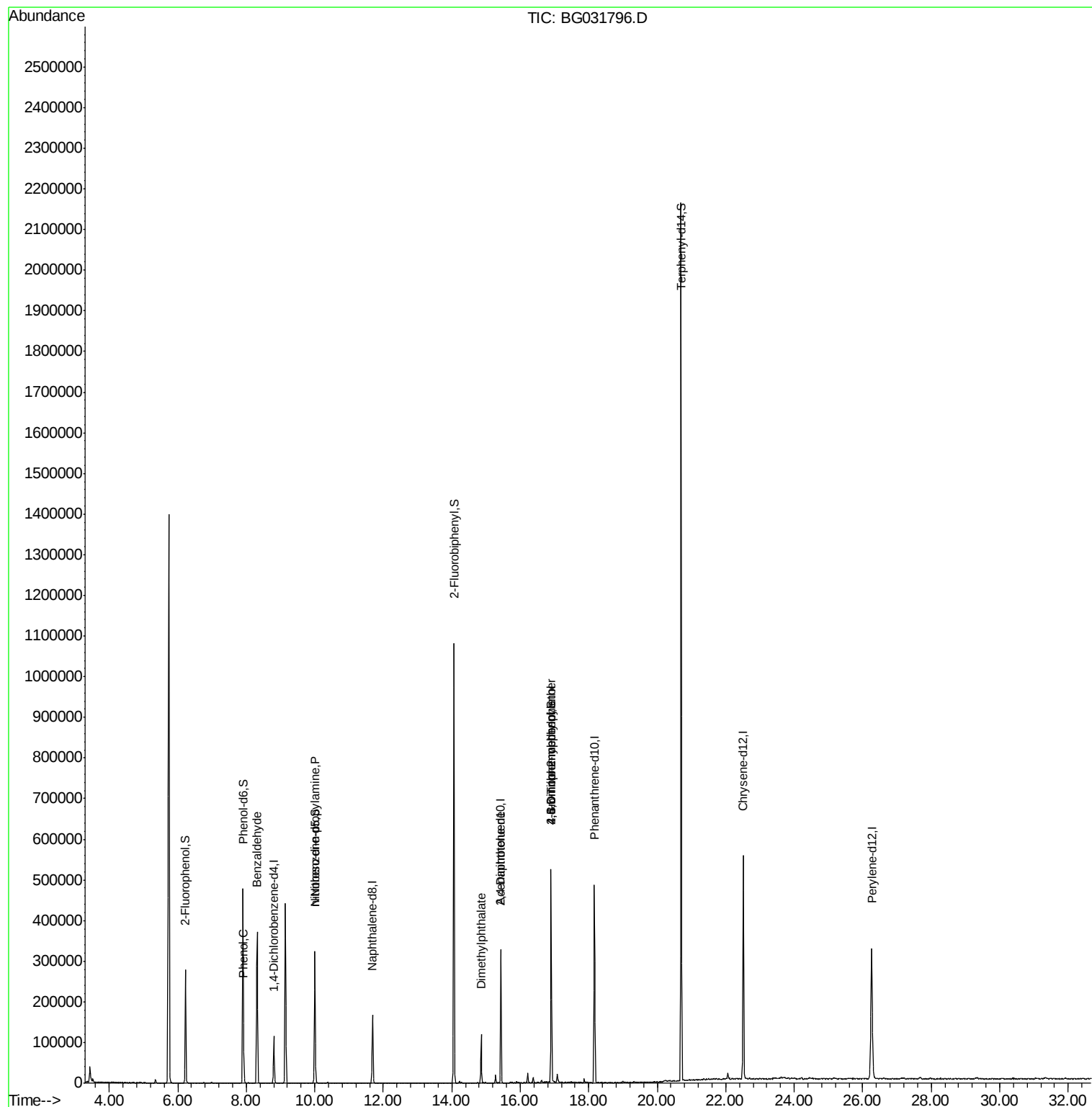
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.80	152	40689	20.00	ng	-0.03
21) Naphthalene-d8	11.69	136	172675	20.00	ng	-0.03
38) Acenaphthene-d10	15.43	164	123819	20.00	ng	-0.03
63) Phenanthrene-d10	18.16	188	339170	20.00	ng	-0.04
75) Chrysene-d12	22.51	240	423893	20.00	ng	-0.06
86) Perylene-d12	26.26	264	453230	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	6.23	112	152623	68.32	ng	-0.02
7) Phenol-d6	7.91	99	339935	117.20	ng	-0.02
23) Nitrobenzene-d5	10.00	82	209502	91.62	ng	-0.03
41) 2,4,6-Tribromophenol	16.91	330	132002	69.87	ng	-0.03
44) 2-Fluorobiphenyl	14.06	172	655289	66.43	ng	-0.03
78) Terphenyl-d14	20.70	244	1172024	63.17	ng	-0.04
Target Compounds						
9) Benzaldehyde	8.32	77	4619	2.645	ng	93
10) Phenol	7.93	94	14151	4.833	ng	97
19) n-Nitroso-di-n-propylamine	10.00	70	27976	14.124	ng	# 71
49) Dimethylphthalate	14.86	163	91979	8.432	ng	99
56) 2,4-Dinitrotoluene	15.43	165	16228	6.289	ng	# 20
64) 4,6-Dinitro-2-methylphenol	16.90	198	161	8.386	ng	# 18
66) 4-Bromophenyl-phenylether	16.91	248	10194	2.078	ng	# 1

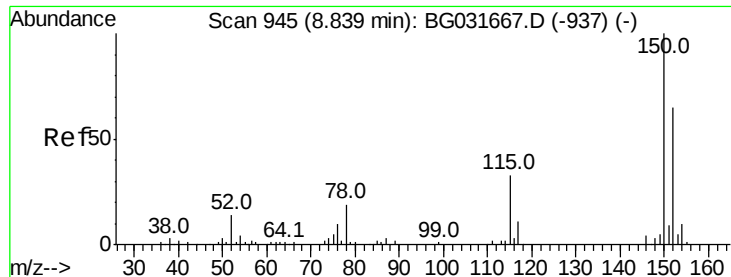
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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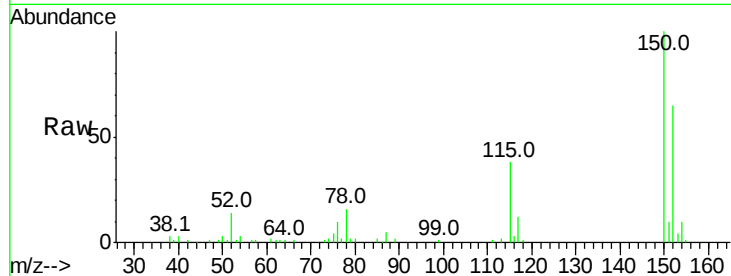


#1

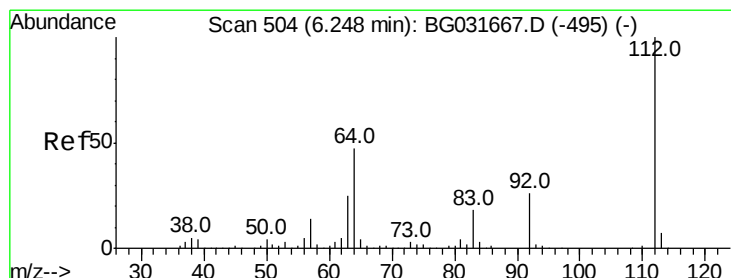
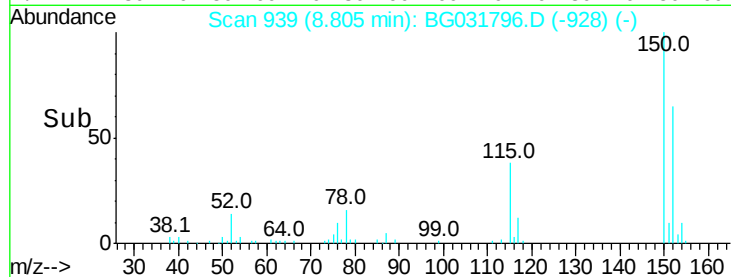
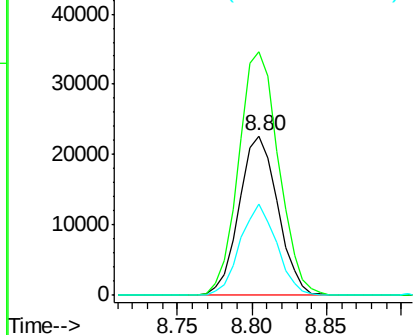
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.80 min Scan# 939
Delta R.T. -0.03 min
Lab File: BG031796.D
Acq: 27 Dec 2017 14:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 40689
Ion Ratio Lower Upper
152 100
150 152.9 126.6 189.8
115 57.5 53.0 79.4



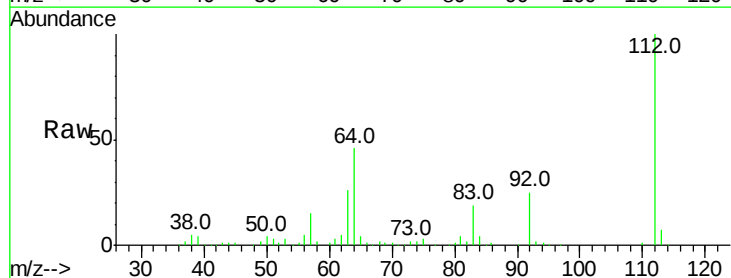
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



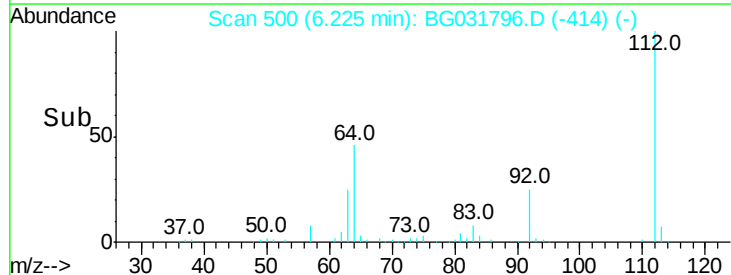
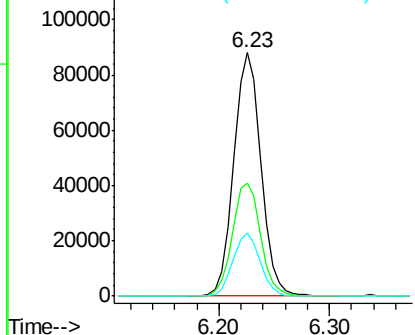
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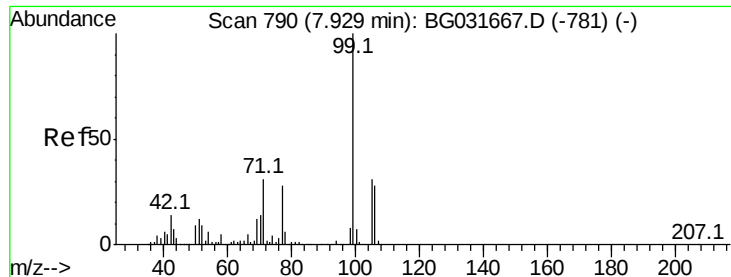
2-Fluorophenol
Concen: 68.319 ng
RT: 6.23 min Scan# 500
Delta R.T. -0.02 min
Lab File: BG031796.D
Acq: 27 Dec 2017 14:51

Tgt Ion:112 Resp: 152623
Ion Ratio Lower Upper
112 100
64 46.3 56.3 84.5#
63 25.9 30.1 45.1#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 117.202 ng

RT: 7.91 min Scan# 786

Delta R.T. -0.02 min

Lab File: BG031796.D

Acq: 27 Dec 2017 14:51

Instrument :

BNA_G

ClientSampleId :

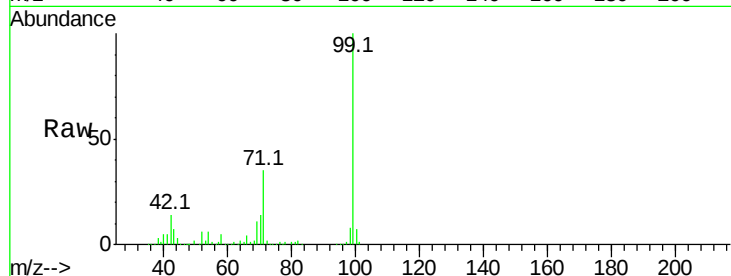
Tot Ion: 99 Resp: 339935

Ion Ratio Lower Upper

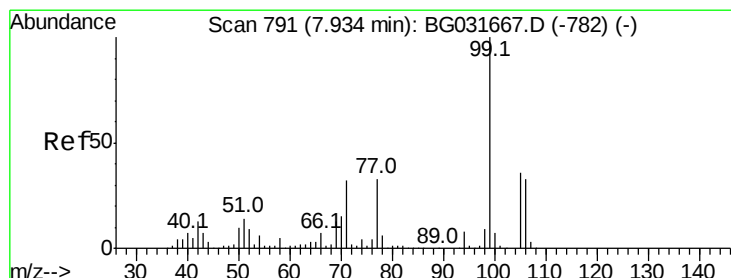
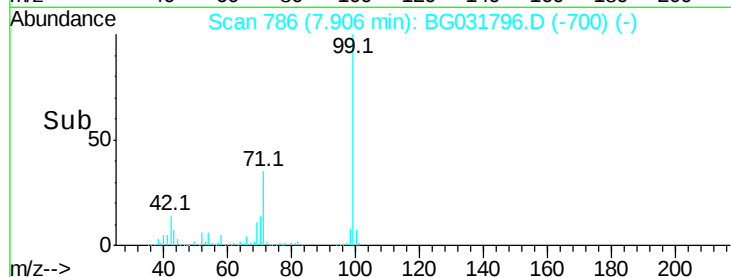
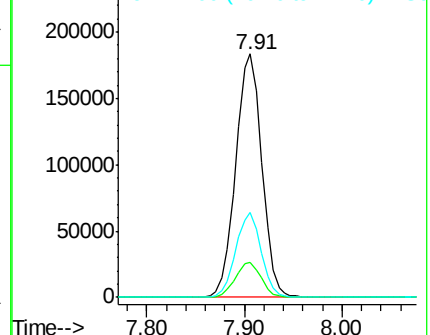
99 100

42 14.1 14.1 21.1

71 34.9 26.1 39.1



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#9

Benzaldehyde

Concen: 2.645 ng

RT: 8.32 min Scan# 856

Delta R.T. 0.38 min

Lab File: BG031796.D

Acq: 27 Dec 2017 14:51

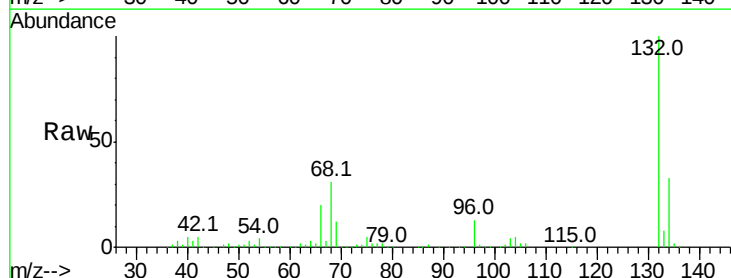
Tgt Ion: 77 Resp: 4619

Ion Ratio Lower Upper

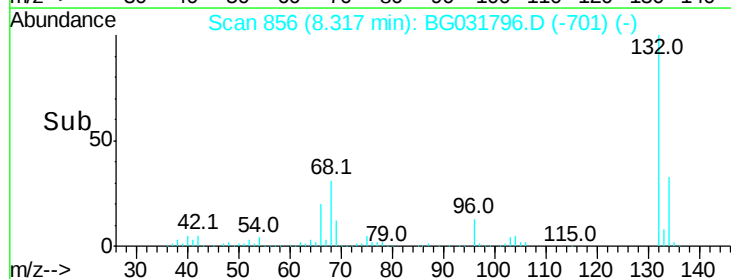
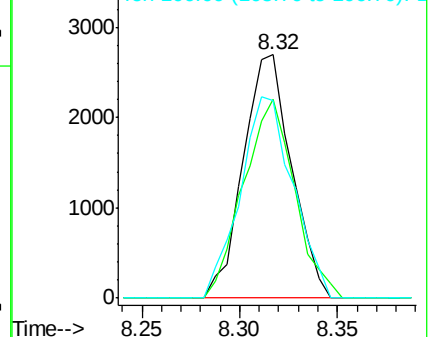
77 100

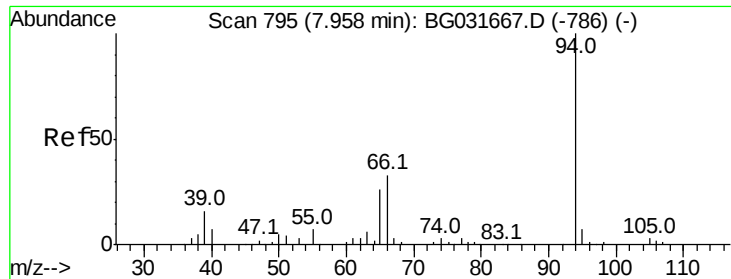
105 81.7 71.3 111.3

106 81.1 64.2 104.2



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC





#10

Phenol

Concen: 4.833 ng

RT: 7.93 min Scan# 790

Delta R.T. -0.03 min

Lab File: BG031796.D

Acq: 27 Dec 2017 14:51

Instrument :

BNA_G

ClientSampled :

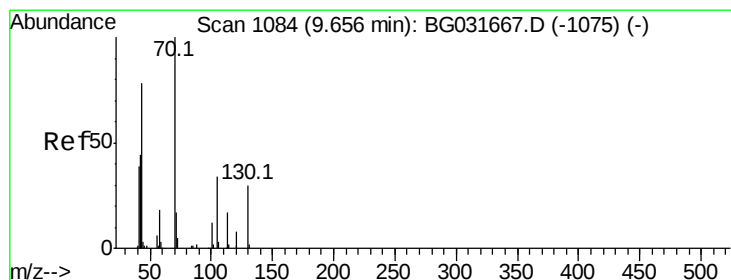
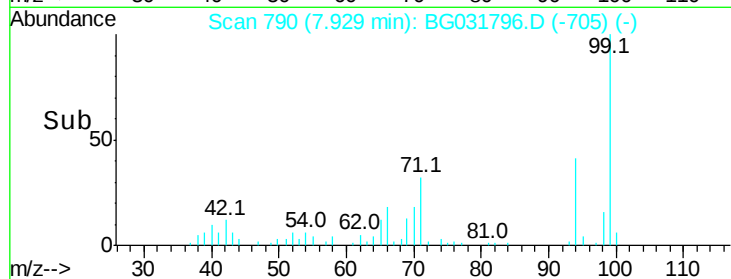
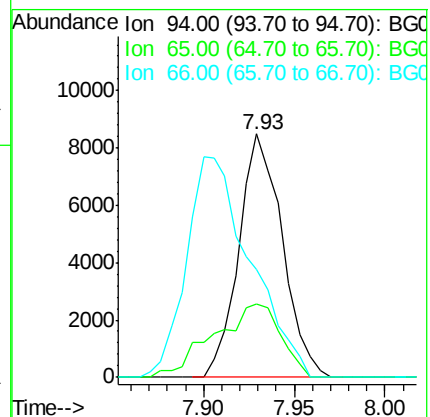
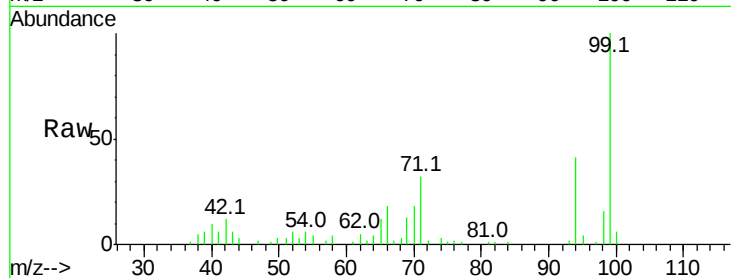
Tot Ion: 94 Resp: 14151

Ion Ratio Lower Upper

94 100

65 30.2 11.9 51.9

66 44.5 22.2 62.2



#19

n-Nitroso-di-n-propylamine

Concen: 14.124 ng

RT: 10.00 min Scan# 1143

Delta R.T. 0.35 min

Lab File: BG031796.D

Acq: 27 Dec 2017 14:51

Tgt Ion: 70 Resp: 27976

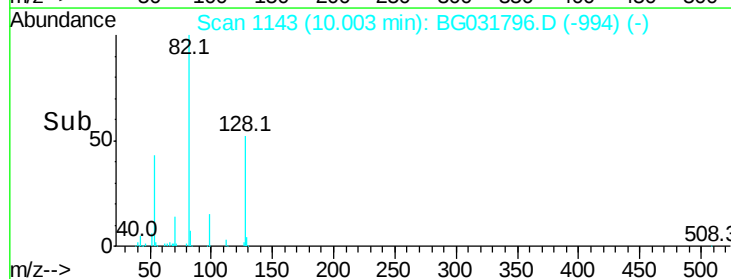
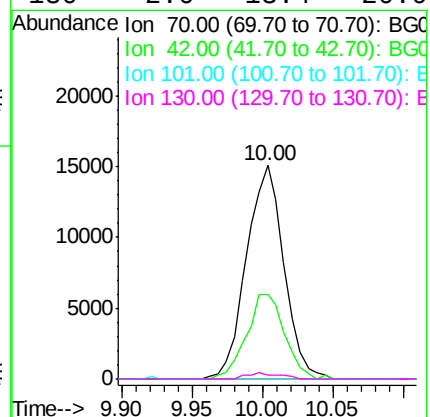
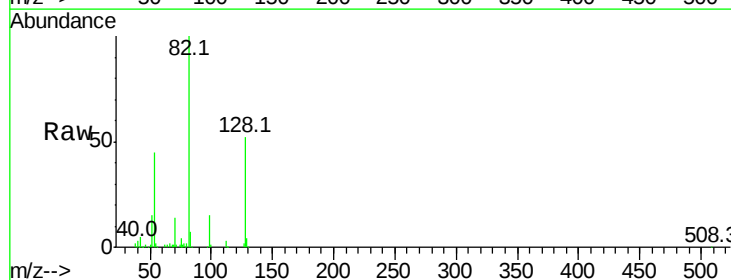
Ion Ratio Lower Upper

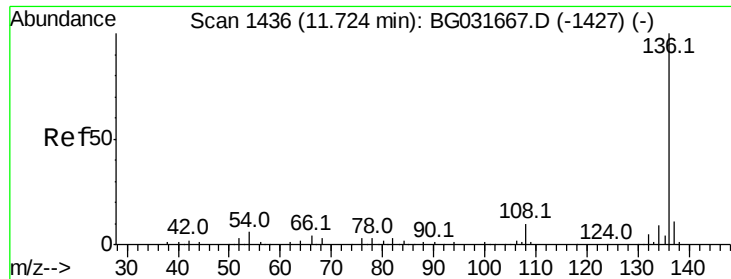
70 100

42 39.6 49.1 73.7#

101 0.0 8.5 12.7#

130 2.0 13.4 20.0#

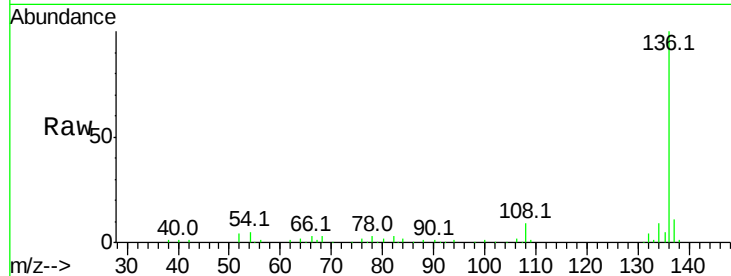




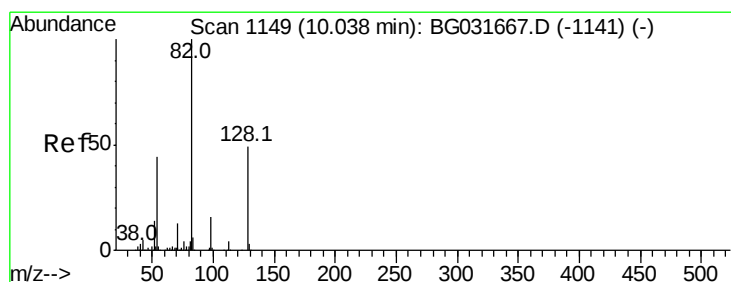
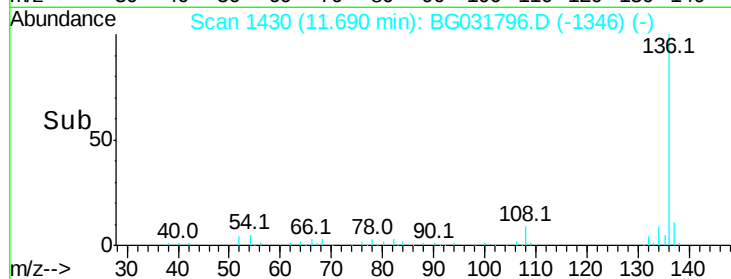
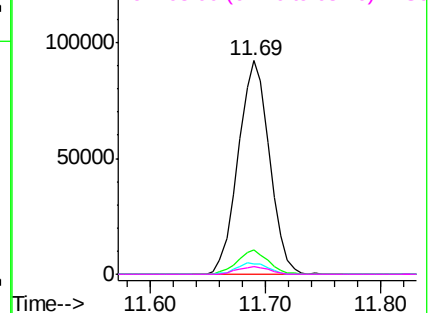
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.69 min Scan# 1430
Delta R.T. -0.03 min
Lab File: BG031796.D
Acq: 27 Dec 2017 14:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	172675
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.2	13.8
54	5.1	10.3	15.5#
68	3.5	4.5	6.7#

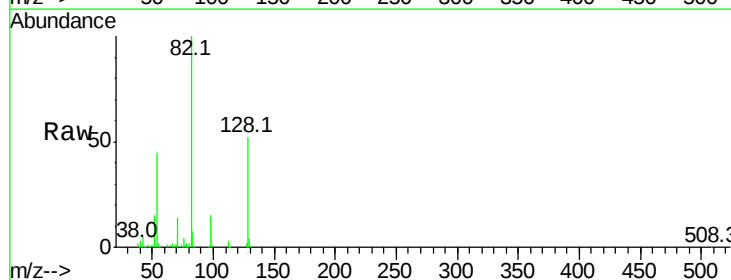


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

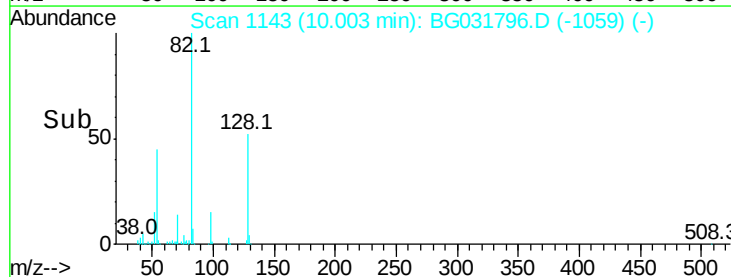
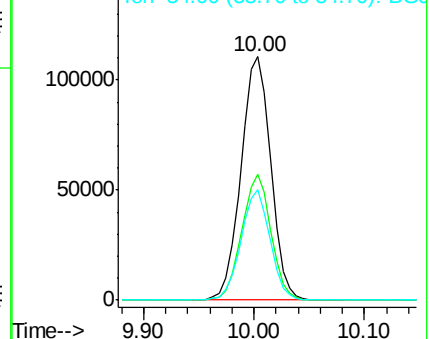


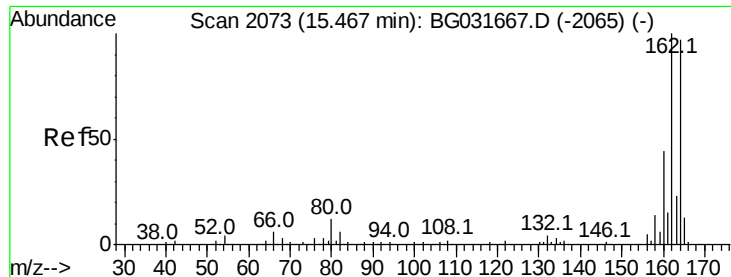
#23
Nitrobenzene-d5
Concen: 91.617 ng
RT: 10.00 min Scan# 1143
Delta R.T. -0.03 min
Lab File: BG031796.D
Acq: 27 Dec 2017 14:51

Tgt Ion:	82	Resp:	209502
Ion	Ratio	Lower	Upper
82	100		
128	51.7	29.7	44.5#
54	45.4	43.1	64.7



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.43 min Scan# 2067

Delta R.T. -0.03 min

Lab File: BG031796.D

Acq: 27 Dec 2017 14:51

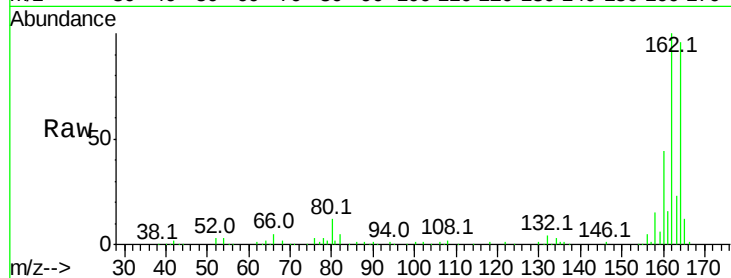
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 123819

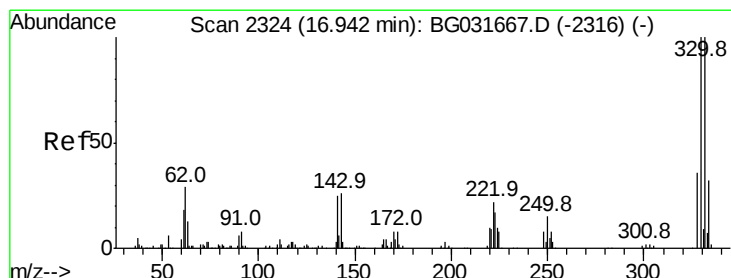
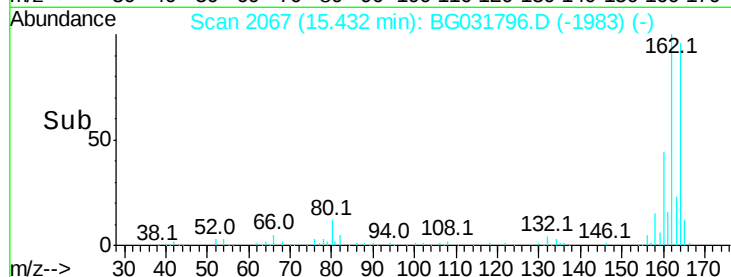
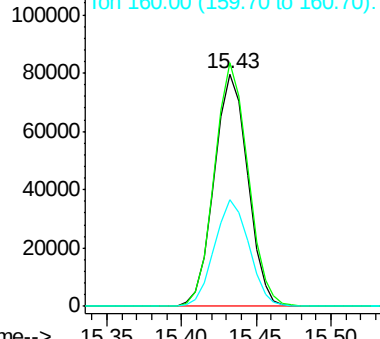
Ion	Ratio	Lower	Upper
164	100		
162	104.7	78.8	118.2
160	45.6	35.4	53.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 69.868 ng

RT: 16.91 min Scan# 2318

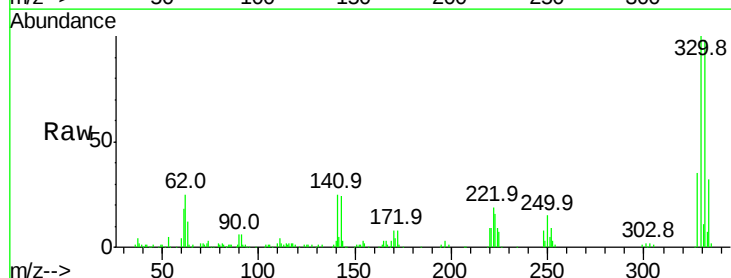
Delta R.T. -0.03 min

Lab File: BG031796.D

Acq: 27 Dec 2017 14:51

Tgt Ion:330 Resp: 132002

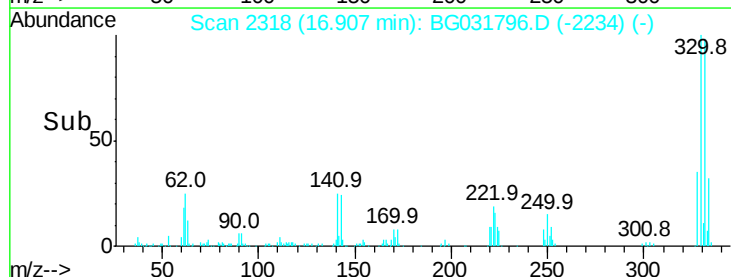
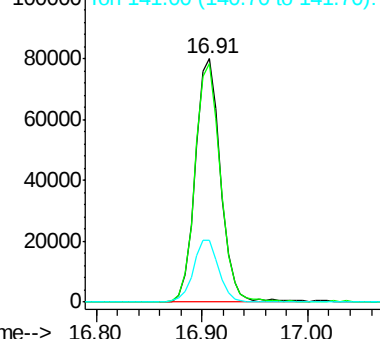
Ion	Ratio	Lower	Upper
330	100		
332	98.5	77.0	115.6
141	25.8	25.2	37.8

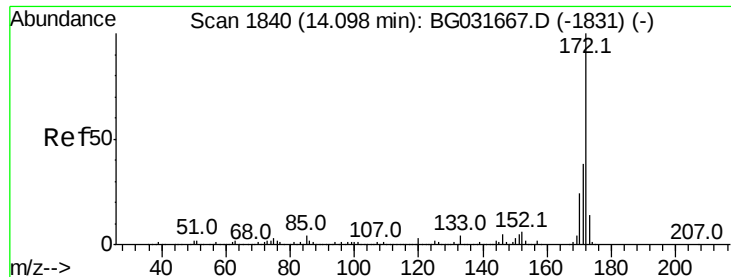


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

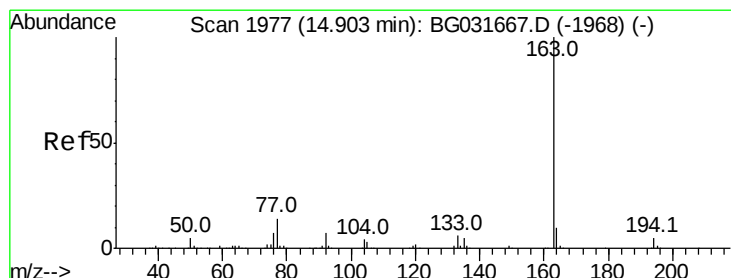
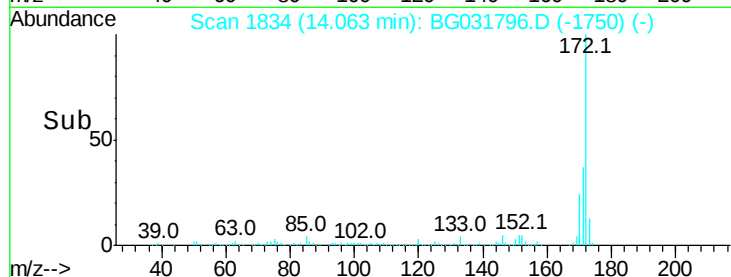
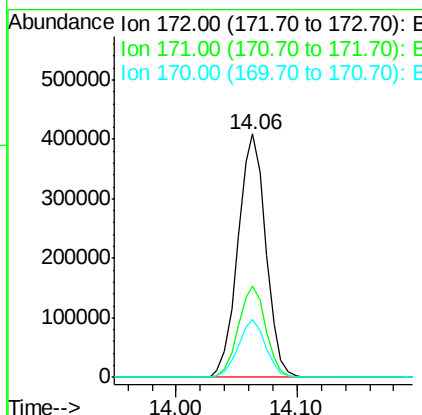
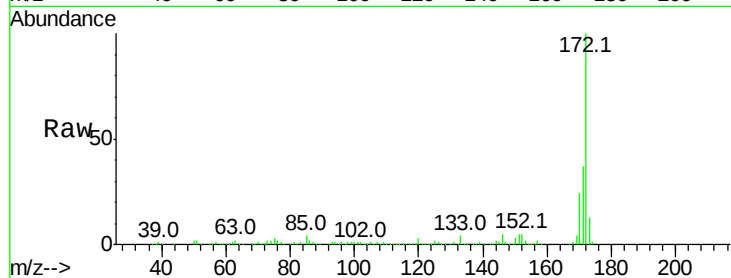




#44
2-Fluorobiphenyl
Concen: 66.426 ng
RT: 14.06 min Scan# 1834
Delta R.T. -0.03 min
Lab File: BG031796.D
Acq: 27 Dec 2017 14:51

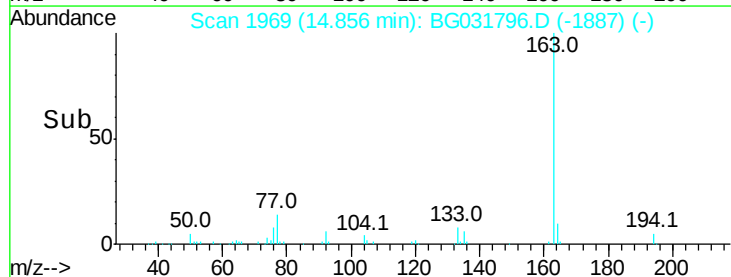
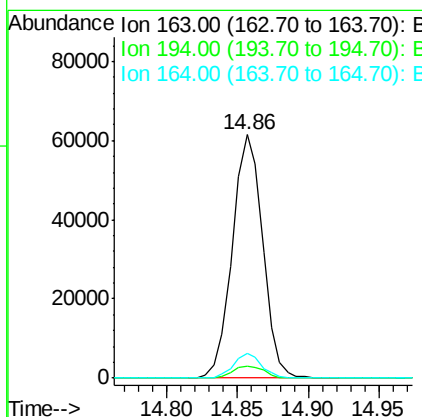
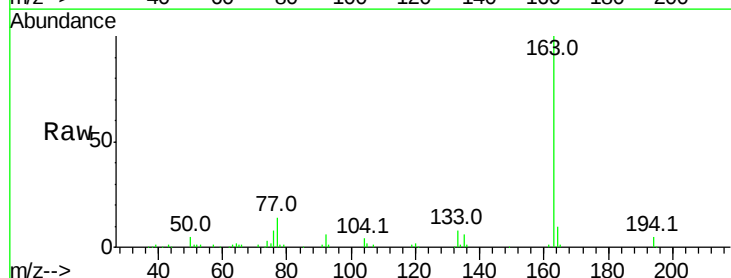
Instrument :
BNA_G
ClientSampled :

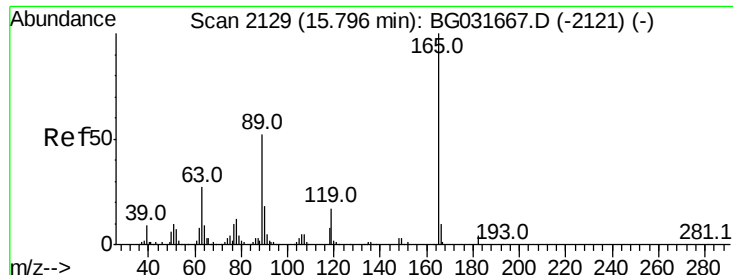
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.4	30.0	45.0
170	23.8	19.5	29.3



#49
Dimethylphthalate
Concen: 8.432 ng
RT: 14.86 min Scan# 1969
Delta R.T. -0.05 min
Lab File: BG031796.D
Acq: 27 Dec 2017 14:51

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.7	3.4	5.2
164	10.2	8.2	12.4





#56

2,4-Dinitrotoluene

Concen: 6.289 ng

RT: 15.43 min Scan# 2067

Delta R.T. -0.36 min

Lab File: BG031796.D

Acq: 27 Dec 2017 14:51

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 16228

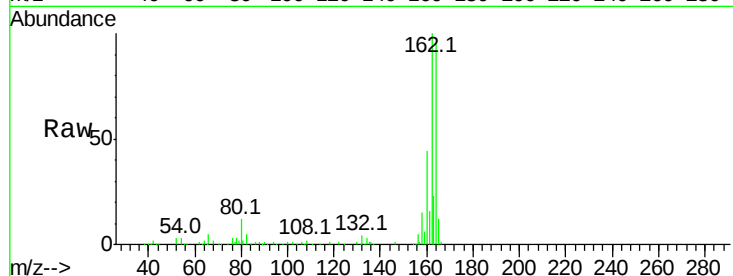
Ion Ratio Lower Upper

165 100

63 3.0 42.0 63.0#

89 2.8 66.9 100.3#

182 0.0 2.6 3.8#

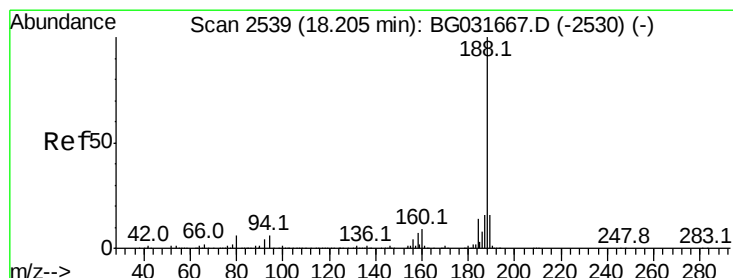
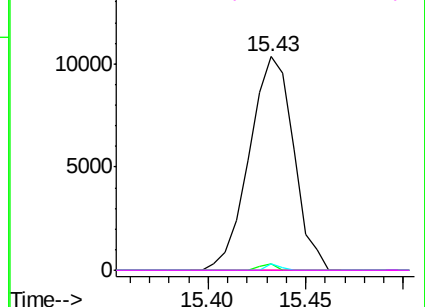
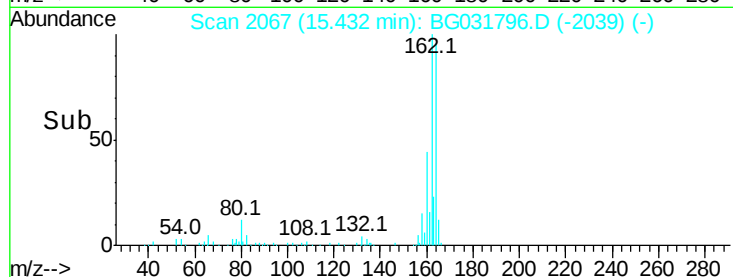


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.16 min Scan# 2532

Delta R.T. -0.04 min

Lab File: BG031796.D

Acq: 27 Dec 2017 14:51

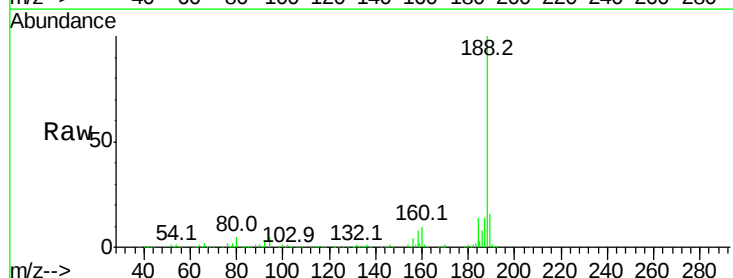
Tgt Ion:188 Resp: 339170

Ion Ratio Lower Upper

188 100

94 5.0 6.9 10.3#

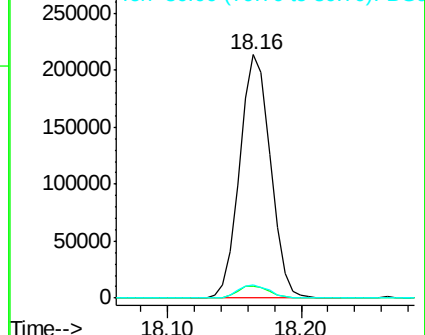
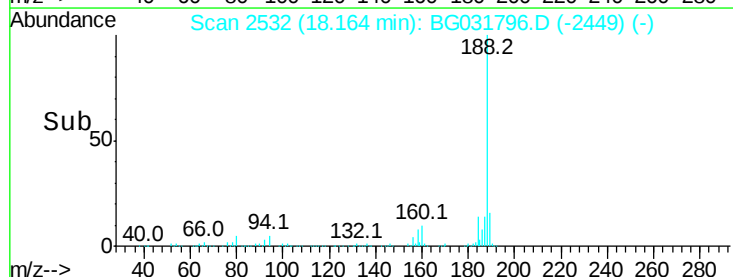
80 5.5 7.7 11.5#

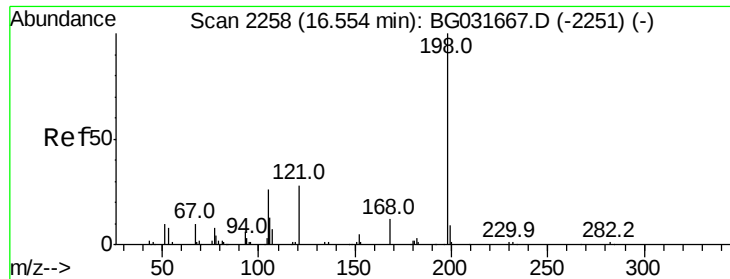


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

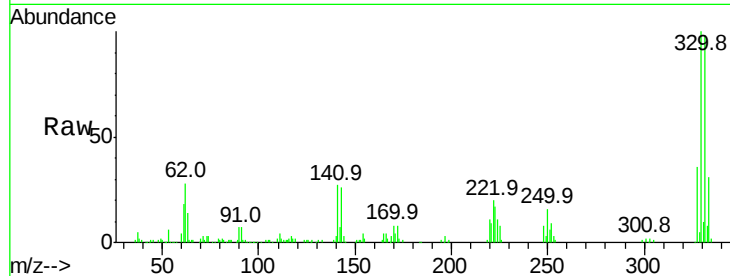




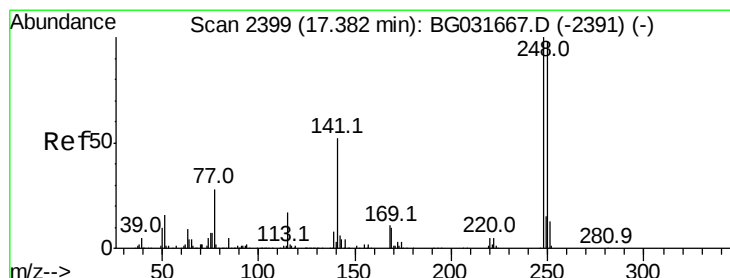
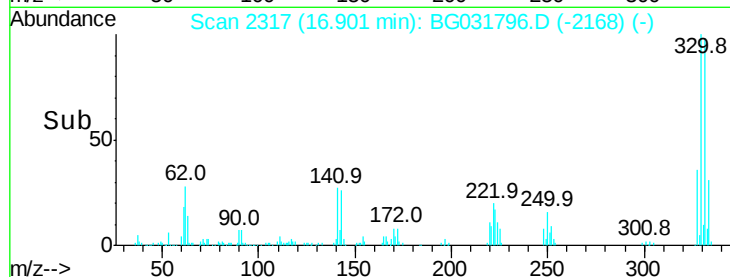
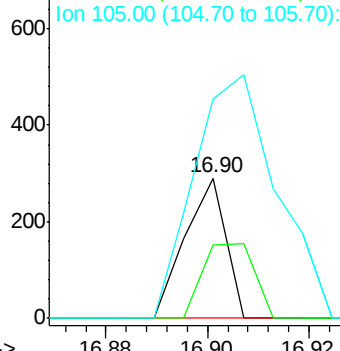
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.386 ng
 RT: 16.90 min Scan# 2317
 Delta R.T. 0.35 min
 Lab File: BG031796.D
 Acq: 27 Dec 2017 14:51

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:198 Resp: 161
 Ion Ratio Lower Upper
 198 100
 51 52.2 30.6 70.6
 105 156.4 23.8 63.8#

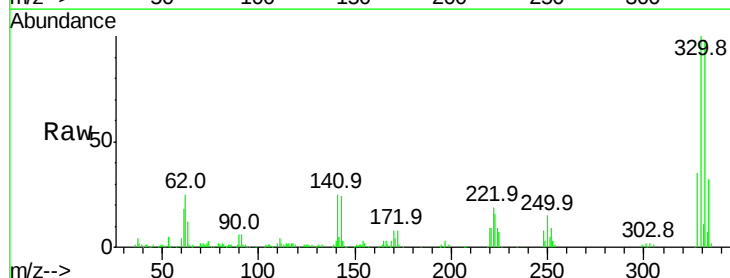


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BGC
 Ion 105.00 (104.70 to 105.70): E

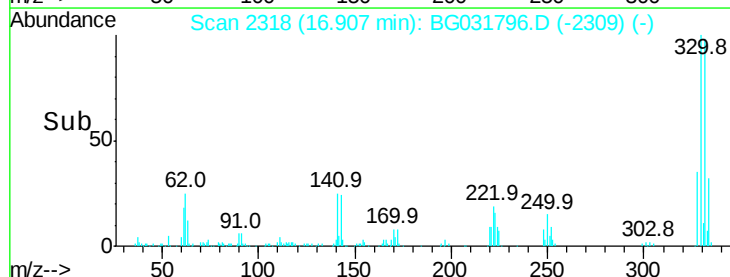
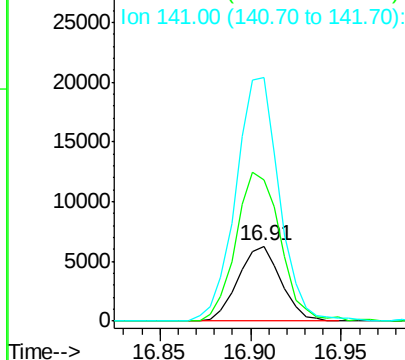


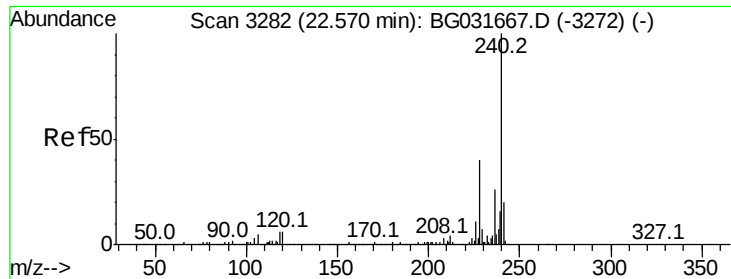
#66
 4-Bromophenyl-phenylether
 Concen: 2.078 ng
 RT: 16.91 min Scan# 2318
 Delta R.T. -0.48 min
 Lab File: BG031796.D
 Acq: 27 Dec 2017 14:51

Tgt Ion:248 Resp: 10194
 Ion Ratio Lower Upper
 248 100
 250 189.0 77.1 115.7#
 141 325.6 50.8 76.2#



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.51 min Scan# 3272

Delta R.T. -0.06 min

Lab File: BG031796.D

Acq: 27 Dec 2017 14:51

Instrument :

BNA_G

ClientSampleId :

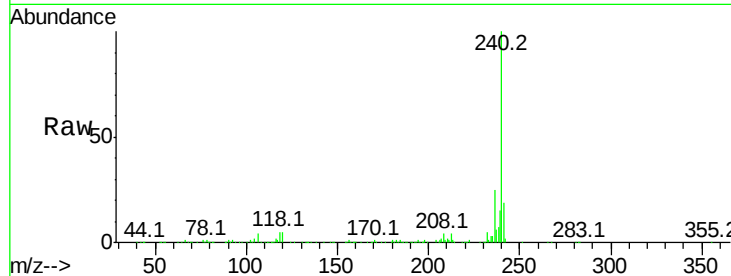
Tot Ion:240 Resp: 423893

Ion Ratio Lower Upper

240 100

120 5.4 6.8 10.2#

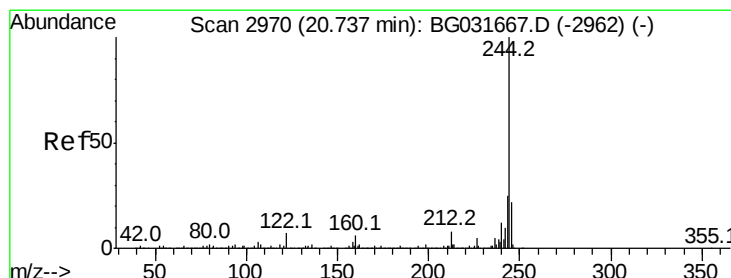
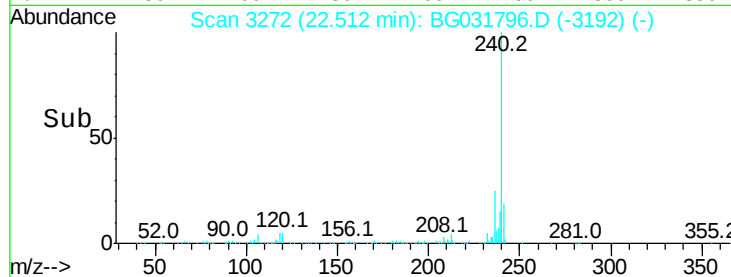
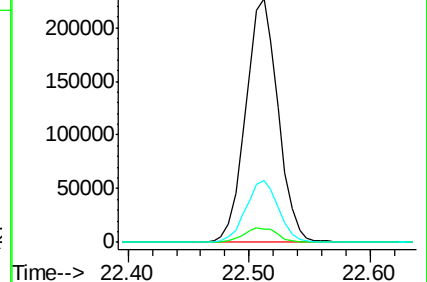
236 25.2 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 63.168 ng

RT: 20.70 min Scan# 2963

Delta R.T. -0.04 min

Lab File: BG031796.D

Acq: 27 Dec 2017 14:51

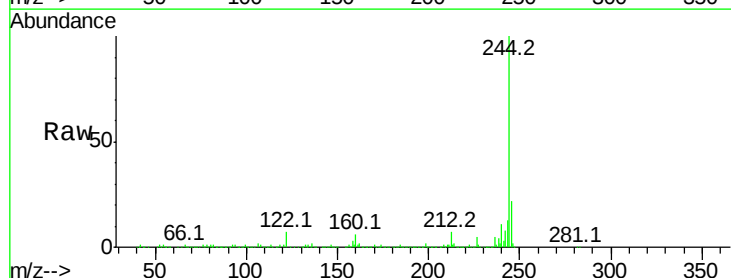
Tgt Ion:244 Resp: 1172024

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

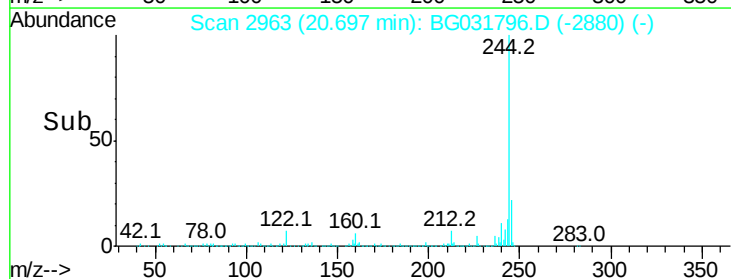
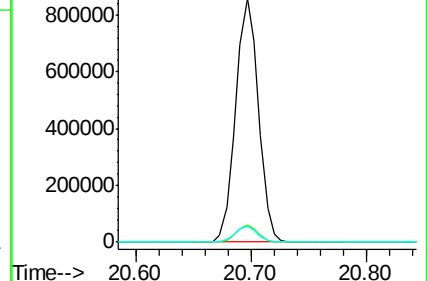
122 6.5 7.0 10.4#

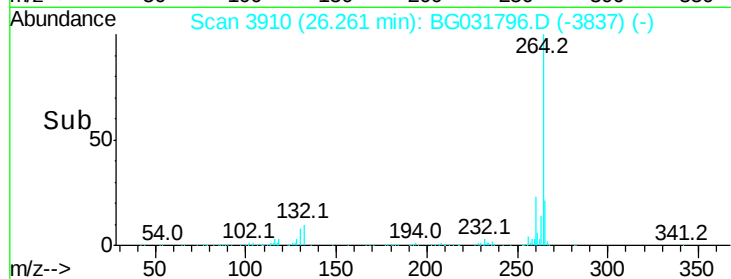
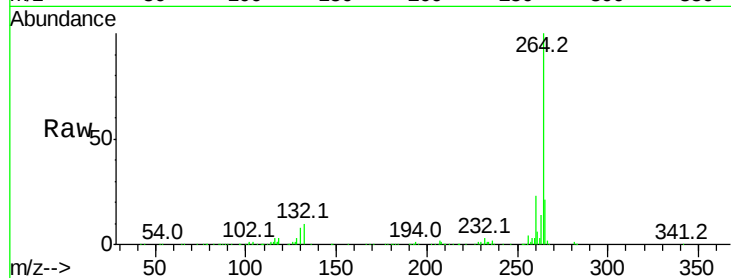
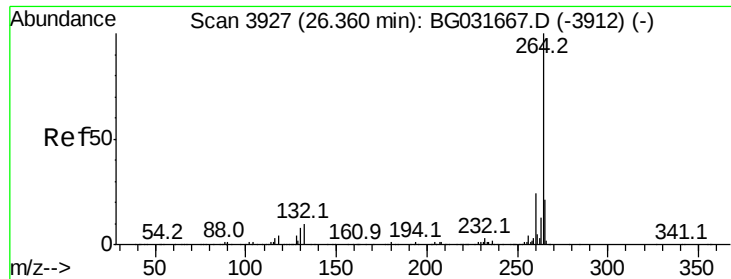


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.26 min Scan# 3910
 Delta R.T. -0.10 min
 Lab File: BG031796.D
 Acq: 27 Dec 2017 14:51

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	17.4	26.0
265	20.6	17.7	26.5

